

New York State Department of Transportation

Yellow Flag NB2222W012

By: Sahadeo Bhagwandin
Flag Date: May 31, 2022

Superseding Information:
No Flags Superseded

Structure Information

BIN: 1065318 *Region:* 11 - NEW YORK CITY
Feature Carried: 278I278IX2M23027 *County:* KINGS
Feature Crossed: 6TH AVENUE *Political Unit:* City of NEW YORK
Orientation: 8 - NORTHWEST *Approximate Year Built:* 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E. *Date:* May 31, 2022 10:00:00 AM
Of: NYSDOT Region 11

Signature Information

Signature: Sahadeo Bhagwandin, P.E. 088239-1 *Date:* June 16, 2022
Reviewed By: Robert Kemp *Date:* June 16, 2022

Attachments: 7

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 152			
	PR831 - Steel Beam End	34	each
	113 - Steel Stringer	104	ft

Flagged Condition Description

This Yellow Flag No. NB2222W012 is (NEW).

Location: Span 152 – Stringer S2 at Pier 152 over 3rd Avenue Eastbound

Description: Both connection angles of Stringer S2 to the begin face of the Pier Cap at Pier 152 are cracked. The right connection angle at Stringer S2 at the begin face of the Pier Cap at Pier 152 exhibits a full height vertical crack (10-1/2" L) at the fillet. The left connection angle has a full height vertical crack (14" L) at the fillet.

This is a new flag.

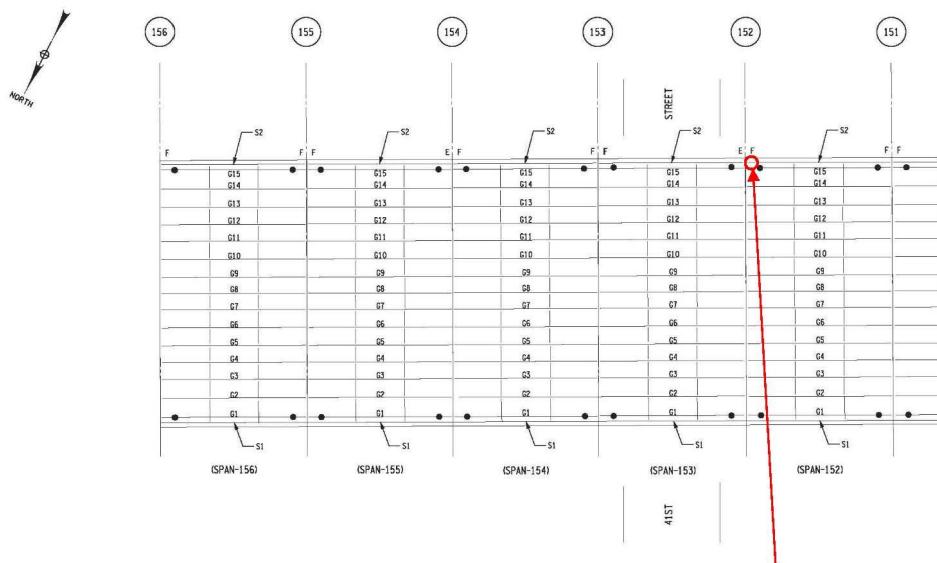
Notes:

1. Stringer S2 receives no direct live loading, but supports the barrier/railing above on I278.
2. The adjacent Girder G15 (left side) spaced 2'-3" center to center is in good condition
3. Double left lane closure at 3rd Avenue In-Bound (Hugh Carey Tunnel) between 41st and 42nd Streets, and a 35' bucket truck are required to access this location.

Flag Photographs

Photo Number: 1

Photo Filename: YF NB2222W012 - Location Plan.jpg

LEGEND:

- E - Expansion Bearing Element PR311
- F - Fixed Connection
- G - Girder Element 107
- S - Stringer Element 113
- - End of partial length cover plate. Category E' requires 100% Hands on Inspection.

**YELLOW FLAG
LOCATION**

No. NB2222W012

Attachment Description: SN 152 - S2 at Pier 152 Framing Plan

Photo Number: 2

Photo Filename: Sketch at SN 152 S2 at Pier 152_R.jpg

Gowanus Expressway
2022 Biennial Inspection - Field Sketch

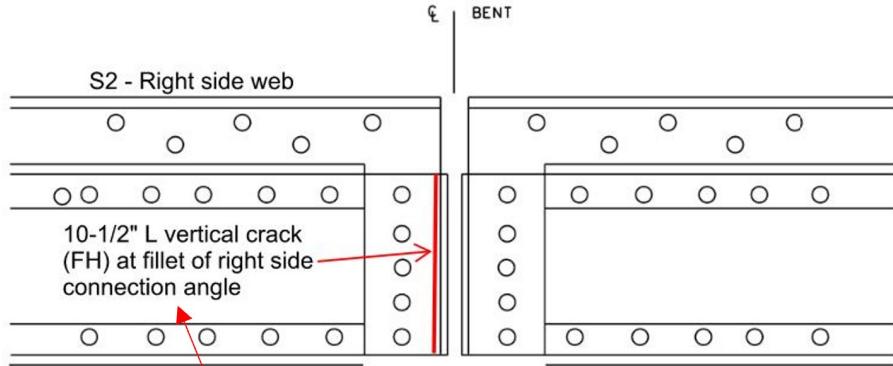
BIN: 1065318

Team: SB/CT

Date: 5/31/22

Span: 152

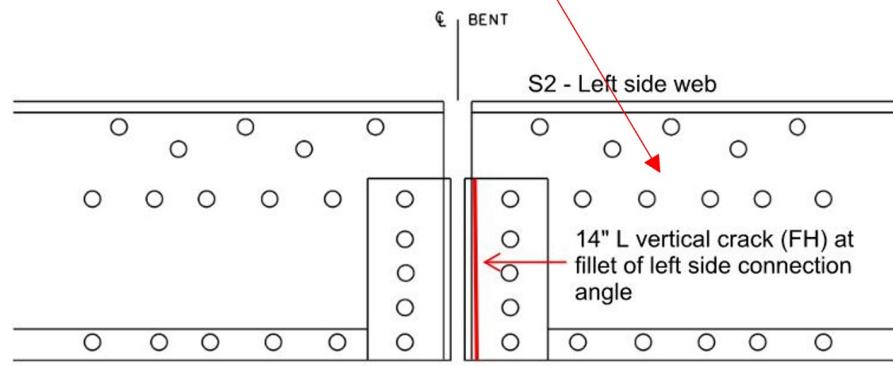
Location: Stringer S2 @ Pier 152



SPAN 152, S2 AT PIER 152
(LOOKING LEFT)

SPAN 152
@ PIER 152
S_S2

Note: Previous repair to web and flanges of S2 not shown



SPAN 152, S2 AT PIER 152
(LOOKING RIGHT)

SCALE: N.T.S

WSP

Attachment Description: SN 152 - S2 at Pier 152 Sketch

Photo Number: 3

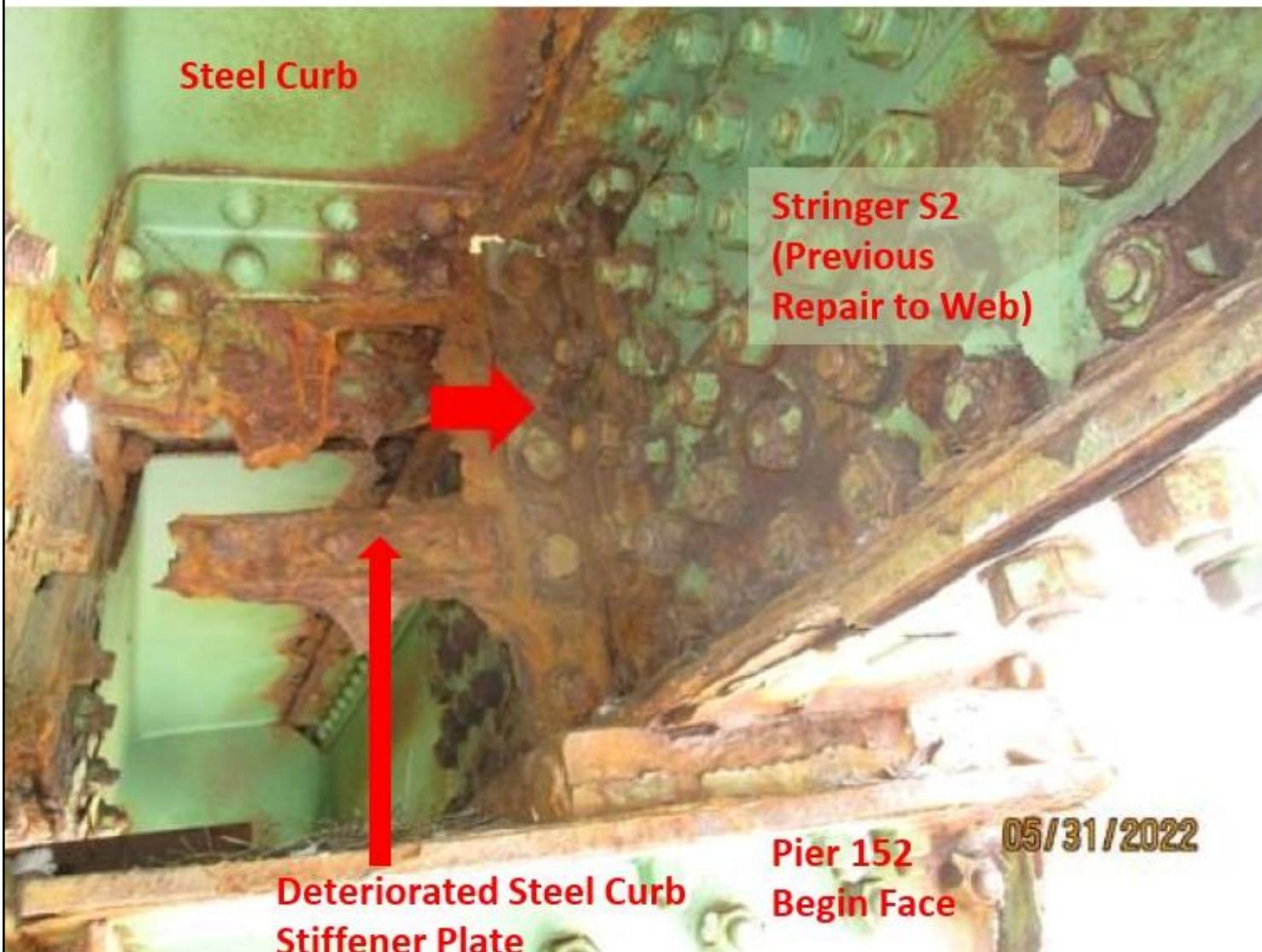
Photo Filename: Photo 1 - IMG_6152 - edit.jpg



Attachment Description: Photo 1: General view of Flag location at Pier 152. Looking end.

Photo Number: 4

Photo Filename: Photo 2-IMG_6140--edit2.jpg



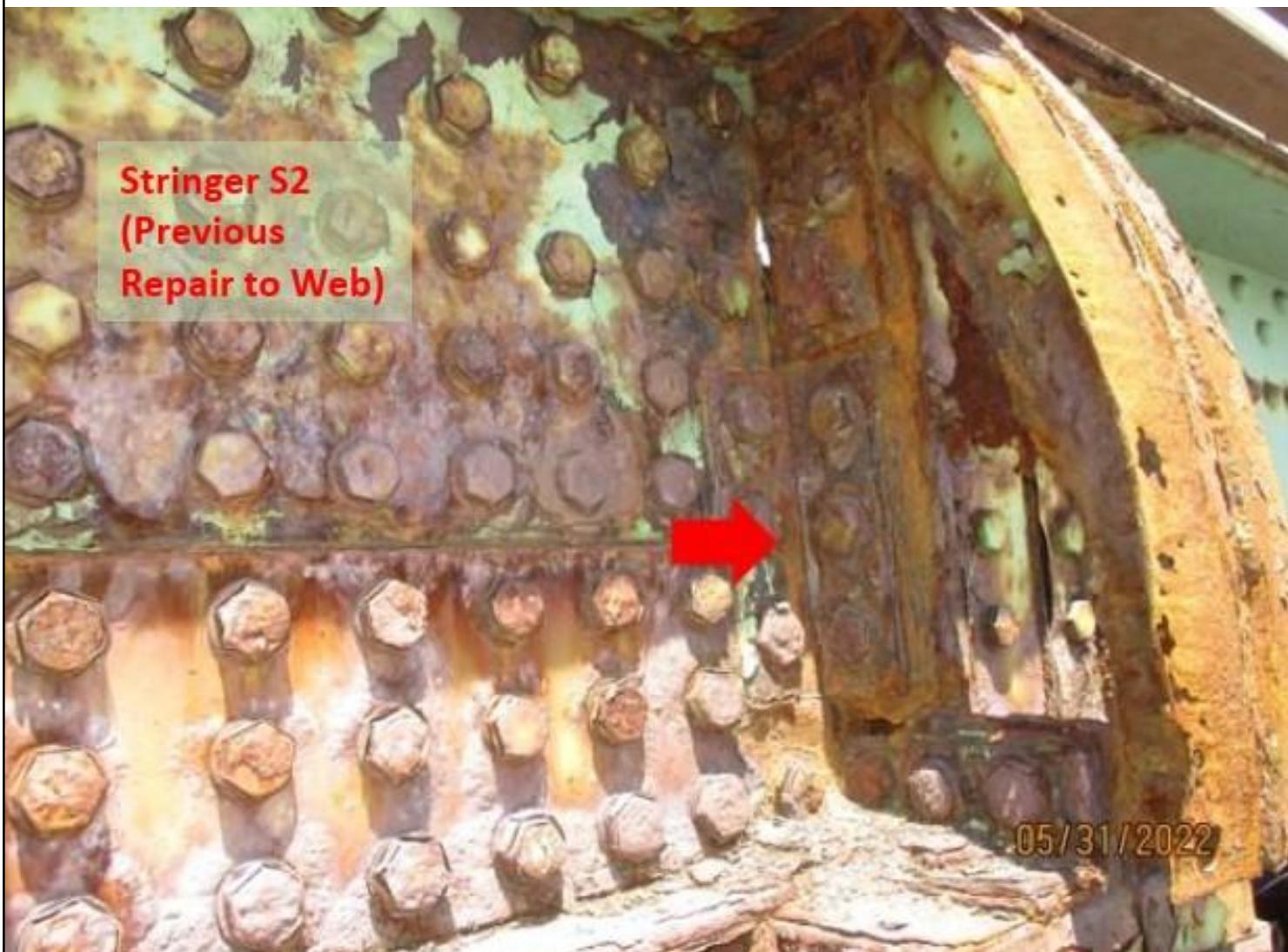
Attachment Description: Photo 2: Span 152, Stringer S2 at Pier 152 - General view at left side of Stringer S2. Looking end. (Arrow is pointing at the full height vertical crack in left connection angle - See next photo).

Photo Number: 5

Photo Filename: Photo 3 - IMG_6139 - edit.jpg



Attachment Description: Photo 3: Span 152, Stringer S2 at Pier 152 - Full height vertical crack at left connection angle at fillet (14" L). Looking end right.

Photo Number: **6**Photo Filename: **Photo 4 - IMG_6143 -- edit2.jpg**

Attachment Description: Photo 4: Span 152, Stringer S2 at Pier 152 - General view at right side of Stringer S2. Looking end left. (Arrow is pointing at the full height vertical crack in the right connection angle - see next photo).

Photo Number: 7

Photo Filename: Photo 5 - IMG_6142 - edit.jpg



Attachment Description: Photo 5: Span 152, Stringer S2 at Pier 152 - Full height vertical crack at right connection angle at fillet (10.5" L). Looking end left.